Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/12/2021

Lab ID	:	**CP-2022-01-03-01**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer's Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-12-21
Customer ID	:	C.C Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/12/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M30	09/12/2021	16/12/2021	149.56 X 151.31 X 149.65	22630	8.259	601.8	26.6	
2	C.C Road	M30	09/12/2021	16/12/2021	151.19 X 149.27 X 150.14	22568	8.783	599.4	26.6	27.0
3	C.C Road	M30	09/12/2021	16/12/2021	151.31 X 149.14 X 151.23	22567	8.691	626.0	27.7	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-03-01** **Date: 16/12/2021**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.

Agency : M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073

Customer's Reference : EE/DD/W.O/68/2021-22

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 11-12-21

Customer ID : C.C Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/12/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C.C Road	M30	09/12/2021	16/12/2021	149.73 X 150.34 X 151.89	22510	8.701	600.0	26.7	27.1
2	C.C Road	M30	09/12/2021	16/12/2021	149.08 X 151.64 X 151.03	22606	8.567	609.4	27.0	
3	C.C Road	M30	09/12/2021	16/12/2021	151.61 X 151.51 X 150.64	22971	8.633	634.0	27.6	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಲಯ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL Pro.

K KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2022-01-03-01** **Date: 09-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	06-12-21
Type of Mix	:	GSB (Granular Sub Base)
Date of Test	:	07-12-21
Oven Dry Weight	:	10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100.0	100
53	996	996	9.96	90.0	80-100
26.5	1686	2682	26.82	73.2	55-90
9.5	1292	3974	39.74	60.3	35-65
4.75	1490	5464	54.64	45.4	25-55
2.36	1764	7228	72.28	27.7	20-40
0.425	1666	8894	88.94	11.1	10-25
0.075	896	9790	97.90	2.1	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	20.31%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12, ಶೆಟ್ಟಿಹಳ್ಳಿ
ಜಪಾಂಮ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಪಾಂಮ, ಬೆಂಗಳೂರು

FOR CIVIL Pro:
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

Page 1/1
End of Report

TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2022-01-03-01** **Date: 11-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurumath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-12-21
Type of Mix	:	WMM (Wet Mix Macadam)
Date of Test	:	09-12-21
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	421	421	3.8	96.2	95-100
22.4	2011	2432	22.1	77.9	60-80
11.2	2215	4647	42.2	57.8	40-60
4.75	2601	7248	65.9	34.1	25-40
2.36	1990	9238	84.0	16.0	15-30
0.6	588	9826	89.3	10.7	8-22
0.075	985	10811	98.3	1.7	0-5

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

CIVIL Pro Sig. Date. BANGALORE

Page 1/1
End of Report

TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2022-01-03-01** **Date: 11-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-12-21
Type of Mix	:	WMM (Wet Mix Macadam)
Date of Test	:	09-12-21
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	402	402	3.7	96.3	95-100
22.4	2122	2524	22.9	77.1	60-80
11.2	2325	4849	44.1	55.9	40-60
4.75	2501	7350	66.8	33.2	25-40
2.36	1899	9249	84.1	15.9	15-30
0.6	582	9831	89.4	10.6	8-22
0.075	1025	10856	98.7	1.3	0-5

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report

TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-RW-2022-01-03-01**	**Date: 11-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.	
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073	
Customer Reference	:	EE/DD/W.O/68/2021-22	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	09-12-21	
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)	
Date of Test	:	09-12-21	

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	314.0	314.0
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	84.0	82.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	229.7	231.5
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.3	0.5
5	Aggregate impact value	(B/A)*100	26.8	26.1
6	Aggregate impact value (Mean of two tests)	Pecentage	26.4	

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig..... Date..... BANGALORE

Executive Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ. ಬೆಂಗಳೂರು

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
| GEO TECHNICAL | PROJECT MANAGEMENT |

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2022-01-03-01**	**Date: 11-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.	
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073	
Customer Reference	:	EE/DD/W.O/68/2021-22	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	09-12-21	
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)	
Date of Test	:	09-12-21	

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	11.7	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	9.3	
Combined Flakiness and Elongation Index for WMM	21.0	

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Date: 20-12-21

Lab ID	:	CP-RW-2022-01-03-01
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-12-21
Type of Mix	:	DBM-Plant (Dense Bituminous Macadam)
Date of Test	:	17-12-21
Weight of Sample	:	5000 Grams

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10 (grading -2)
37.5	0	0	0	100.0	100
26.5	153	153	3.06	96.9	90-100
19	877	1030	20.60	79.4	71-95
13.2	986	2016	40.32	59.7	56-80
4.75	963	2979	59.58	40.4	38-54
2.36	552	3531	70.62	29.4	28-42
0.3	1011	4542	90.84	9.2	7-21
0.075	215	4757	95.14	4.9	2-8
PAN	243	5000	0.00	0	0

* The results obtained are satisfactory as per standard requirements.

Note:-
The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL PRO.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12, ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

PHYSICAL REQUIREMENTS FOR COARSE AGGREGATE FOR DENSE BITUMINOUS MACADAM

Lab ID	:	**CP-RW-2022-01-03-01**	**Date: 20-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.	
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073	
Customer Reference	:	EE/DD/W.O/68/2021-22	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	17-12-21	
Type of Mix	:	DBM (Dense Bituminous Macadam)	
Date of Test	:	17-12-21	

Table 500-6 : Physical Requirements fo Coarse Aggregate for Dense Bituminous Macadam

Property	Test	Result	Specification	Method of Test
Partical Shape	Flakiness Index	9.6	Combined Flakiness & Elongation Index for DBM is Maximum 35%	IS:2386 Part I
	Elongation Index	11.3		
Strength	Aggregate Impact Value	22.8	Maximum 30%	IS:2386 Part IV
Specific gravity	Specific gravity	2.58	Maximum 2.7	IS:2386 Part III
Water Absorption	Water Absorption	0.21	Maximum 2%	IS:2386 Part III

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಪಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

FOR CIVIL Pro.

CIVIL PRO BANGALORE Sig..... Date.....

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12, ಶೆಟ್ಟಿಪಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2022-01-03-01** **Date: 20-12-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to road and drain K G halli Gurunath Layout and Surroundings in Ward No 12 Shettyhalli.
Agency	:	M/s. KB Constructions No.1, Shree Nilaya Devara Bavi Road, Behind Rangamandhira, Bagalagunte, Bengaluru, Karnataka-560073
Customer Reference	:	EE/DD/W.O/68/2021-22
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	17-12-21
Type of Mix	:	DBM (Dense Bituminous Mecadam)
Date of Test	:	17-12-21

The results of the tests conducted on the Dense Bituminous Macadam mix sample are as follow

Sl.No	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	11.99	11.48	9KN(Min)
2	Marshal flow at 60°C, mm	3.52	3.32	2-4
3	Percent air Voids	4.22	4.18	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.28	14.45	13-15
5	Percent Voids filled with Bitumen(VFB %)	68.55	68.72	65-75
6	Density, g/cc	2.42	2.41	–

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

AE-12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಪಾಂಗ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ Executive ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ 12. ಶೆಟ್ಟಿಹಳ್ಳಿ
ಜಪಾಂಗ, ಬೆಂಗಳೂರು

CIVIL Pro Sig.. ... . Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com